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Title:
Perfect score:
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                                                                                                                                                                                                                                                                                                                                         Score
   protein search, using sw model
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       length:
                                                                                                                                                                                                                                                                                                                                                                                                                                            Issued_Patents_AA:*
1: /cgn2_6/ptodata/2
2: /cgn2_6/ptodata/2
3: /cgn2_6/ptodata/2
4: /cgn2_6/ptodata/2
5: /cgn2_6/ptodata/2
                                                                                                                                                                                                                                                                                                                                        Match
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   March 1, 2001, 16:10:47; Search time 46.88 Seconds (without alignments) 10.342 Million ceil updates/sec
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Gapop 10.0 , Gapext 0.5
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Listing first 45 summaries
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Copyright (c) 1993 - 2000 Compugen Ltd
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/cgn2_6/ptodata/2/iaa/5B_COMB.pep:*
/cgn2_6/ptodata/2/iaa/6_COMB.pep:*
/cgn2_6/ptodata/2/iaa/PCTUS_COMB.pep:*
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US-09-123-850-1
US-09-123-850-3
US-09-123-850-5
US-09-123-850-6
US-09-123-850-6
US-09-123-850-6
US-09-123-850-6
US-07-694-033A-1
US-07-994-033A-1
US-08-138-340B-2
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US-08-816-605-9
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; IMMEDIATE SOURCE:
; LIBRARY: GenBank
; CLONE: 1532042
US-08-977-767-3
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US-08-977-767-3
; Sequence 3, Application US/08977767
; Patent No. 5972684
; GENERAL INFORMATION:
                                                                                                                                      INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                                                                APPLICATION NUMBER: (FILING DATE: Herewith CLASSIFICATION: 424 PRIOR APPLICATION DATA:
                                                                                                                         SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                      COMPUTER READABLE FORM:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                      CORRESPONDENCE ADDRESS:
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                                                                                                      LENGTH:
TYPE: a
                                                                                                                                                                                                                                          APPLICATION NUMBER: FILING DATE:
                                                                                       STRANDEDNESS: single
                                                                                                                                                             TELEFAX: 650-845-4166
                                                                                                                                                                                                                                                                                                                                    OPERATING SYSTEM:
                                                                                                                                                                                                                                                                                                                                                 MEDIUM TYPE:
COMPUTER: II
                                                                                                                                                                                                                                                                                                                                                                                                       STREET: 3174 POI
CITY: Palo Alto
STATE: CA
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                                                                                                                                                                                                                                                                                                                                                                                     94304
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80.7	80.7	80.7	80.7	80.7	80.7	80.7	82.0	82.0	82.0	82.0	84.0	84.0	84.7	85.3	86.0	86.0
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Sequence 41, Appl	41,	41,	-	Sequence 41, Appl	41,	Sequence 41, Appl	Sequence 2, Appli	Sequence 4, Appli	Sequence 6, Appli	2, A	Sequence 336, App	217		Sequence 35, Appl	Sequence 2, Appli	Sequence 2, Appli

ALIGNMENTS

## ATTORNEY/AGENT INFORMATION: NAME: Billings, Lucy J. REGISTRATION NUMBER: 36,749 REFERENCE/DOCKET NUMBER: PF-0 TELECOMMUNICATION INFORMATION: TELEPHONE: 650-855-0555 SOFTWARE: FastSEQ for Windows Version CURRENT APPLICATION DATA: APPLICANT: Yue, Henry APPLICANT: Greenwald, Sara APPLICANT: Corley, Neil C. TITLE OF INVENTION: CARBONIC ANHYDRASE VIII ADDRESSEE: Incyte Pharmaceuticals, STREET: 3174 Porter Drive 1345 amino acids IBM Compatible Olga US/08/977,767 PF-0423 SD 2.0

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US-08-785-530-1
; Sequence 1, Application; Patent No. 5814480; GENERAL INFORMATION:
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Best Local Similarity
Thehes 5; Conserve
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PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/387,055
FILING DATE: 09-FEB-1995
ATTORNEY/AGENT INFORMATION:
NAME: Parmelee, Steven W.
REGISTRATION NUMBER: 31,990
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 REFERENCE/DOCKET NUMBER: INFORMATION FOR SEQ ID NO: 7:
                                                                                                                                                                                                                               APPLICANT: Hillman, Jennifer L.
APPLICANT: Goli, Surya K.
TITLE OF INVENTION: A NOVEL HUMAN METALLOTHIONINE
NUMBER OF SEQUENCES: 6
                  CURRENT APPLICATION DATA:
                                                                                                 COMPUTER READABLE FORM:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              SEQUENCE CHARACTERISTICS:
LENGTH: 41 amino acids
TYPE: amino acid
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COMPUTER READABLE FORM:
COMPUTER: Floppy disk
COMPUTE: Floppy disk
COMPUTE: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
                                                                                                                                                                                                                 CORRESPONDENCE ADDRESS:
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                                                                                                                                               STREET: 31/.
STRY: Palo Alto
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                            OPERATING SYSTEM: DOS
SOFTWARE: FastSEQ for Windows Version
                                                                                                                                                                   APPLICATION NUMBER:
                                                                COMPUTER:
                                                                              MEDIUM TYPE:
                                                                                                                                 COUNTRY:
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19.2%; Pred. No.
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Best Local Similarity 23...
Thes 6; Conservative
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                                INFORMATION FOR SEQ ID NO:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS: LENGTH: 61 amino acids
                                                                                REFERENCE/DOCKET NUMBER: PF
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415-855-0555
                                                                                                                                                                                                                                                                             OPERATING SYSTEM: DOS
SOFTWARE: FastSEQ for Windows Version
CURRENT APPLICATION DATA:
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TELECOMMUNICATION INFORMATION:
TELEPHONE: 415-855-0555
                                                                                                                               ATTORNEY/AGENT INFORMATION:
NAME: Billings, Lucy J.
REGISTRATION NUMBER: 36,
                                                                                                                                                                                                               CLASSIFICATION: 514
PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                               COMPUTER READABLE FORM:
MEDIUM TYPE: Diskett
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             APPLICANT: Hillman, Jennifer L.
APPLICANT: GO11, SUTYA K.
TITLE OF INVENTION: A NOVEL HUMAN METALLOTHIONINE
NUMBER OF SEQUENCES: 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            SEQUENCE CHARACTERISTICS:
LENGTH: 61 amino acids
TYPPE: amino acid
STRANDEDNESS: single
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NAME: Billings, Lucy J.
REGISTRATION NUMBER: 36,
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                                              TELEX:
                                                                TELEFAX: 415-845-4166
                                                                                                                                                                               FILING DATE:
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                                                                                                                                                                                                                                                                                                                                COMPUTER: IBM Compatible
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CITY: Palo Alto
STATE: CA
                                                                                                                                                                                                                                                                   APPLICATION NUMBER:
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                                                                                                                                                                                                  APPLICATION NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                ADDRESSEE: Incyte Pharmaceuticals, Inc STREET: 3174 Porter Drive
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DB 2; 0; Length 61; Indels 0,

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Best Local Similarity
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US-08-785-530-4
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Best Local Similarity 19.2%;
Matches 5; Conservative 2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            GENERAL INFORMATION:
                                                                                                                                                                                                                                                     INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                                                                                              REFERENCE/DOCKET NUMBER: PF
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415-855-0555
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  IMMEDIATE SOURCE:
LIBRARY: GenBa
CLONE: 386962
                                                                                                                                                                                                                                                                                                                                                                                                           APPLICATION NUMBER: US FILING DATE: Herewith CLASSIFICATION: 514 PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TITLE OF INVENTION: A NOVEL HUMAN METALLOTHIONINE NUMBER OF SEQUENCES: 6
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              APPLICANT: Hillman, Jennifer L. APPLICANT: Goli, Surya K.
                                                                                                                                                                   IMMEDIATE SOURCE:
                                                                                                                                                                                                                                      SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                  ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                   CURRENT APPLICATION DATA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         COMPUTER READABLE FORM:
                                                                                                                            MMEDIA: GENERARY: GENERARY: GENERAL 386865
                                                                                                                                                                                                                                                                                                                                                                                                                                                                         COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FastSEQ for Windows Version 2.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         STREET: 3174 Por CITY: Palo Alto
                                                                                                                                                                                                                                                                                                                                     NAME: Billings, Lucy J. REGISTRATION NUMBER: 36,749
26 CTSCKKSCCSCCPVGCAKCAQGCVCK 51
                                                                                                                                                                                   TOPOLOGY:
                                                                                                                                                                                               STRANDEDNESS:
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STRANDEDNESS: si
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                                                                                                                                                                                                                           LENGTH:
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3174 Porter Drive
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19.2%;
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                                                                   Score 66;
Pred. No.
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Pred. No. 44;
                                                      Mismatches
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Query Match
Best Local Similarity
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US-08-785-530-6
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                                                                                          Sequence 6, Application US/08785530
Patent No. 5814480
GENERAL INFORMATION:
APPLICANT: Hillman, Jennifer L.
APPLICANT: GOIL, Surya K.
TITLE OF INVENTION: A NOVEL HUMAN METALLOTHIONINE
NUMBER OF SEQUENCES: 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Sequence 5, Application US/08785530 Patent No. 5814480
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APPLICANT: Hillman, Jennifer L.
APPLICANT: Goli, Surya K.
TITLE OF INVENTION: A NOVEL HUM
NUMBER OF SEQUENCES: 6
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STREET: 31',
CITY: Palo Alto
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NAME: Billings, Lucy J.
REGISTRATION NUMBER: 36,749
REFERENCE/DOCKET NUMBER: PF.
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415-855-0555
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PRIOR APPLICATION DATA:
APPLICATION NUMBER:
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MEDIUM TYPE: Diskett
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                                           ADDRESSEE: Incyte Pharmaceuticals, Inc
STREET: 3174 Porter Drive
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19.2%; Pred. No.
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COMPUTER READABLE FORM:

94304

MEDIUM TYPE:

3: Diskette
IBM Compatible

OPERATING SYSTEM:

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; LIBRARY: GenBa; CLONE: 305363
US-08-785-530-6
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Best Local Similarity
Matches 5; Conserv
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NAME: Billings, Lucy J.
REGISTRATION NUMBER: 36,749
REFERENCE/DOCKET NUMBER: PF-0
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415.855-0555
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CORRESPONDENCE ADDRESS:
ADDRESSEE *--
                              PRIOR APPLICATION DATA:
APPLICATION NUMBER:
                                                                                                              OPERATING SYSTEM: DOS
SOFTWARE: FastSEQ for Windows Version 2.0
CURRENT APPLICATION DATA:
                                                                                                                                                                           COMPUTER READABLE FORM:
MEDIUM TYPE: Diskett
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ATTORNEY/AGENT INFORMATION:
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PRIOR APPLICATION DATA:
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                                                                                                                            COMPUTER: IBM Compatible OPERATING SYSTEM: DOS SOFTWARE: FastSEQ for Wir
                FILING DATE:
                                                               CLASSIFICATION:
                                                                                                                                                                                                                                          CITY: Palo Alto
STATE: CA
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TYPE: amino acid
STRANDEDNESS: single
                                                                                FILING DATE:
                                                                                               APPLICATION NUMBER:
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FILING DATE: Herewith
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19.2%;
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                               08/785,530
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Pred. No.
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CLONE:
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US-09-123-850-3
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; LIBRARY: Conse
; CLONE: 977891
US-09-123-850-1
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Best Local Similarity
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                                                                                                         INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
LENGTH: 61 amino acids
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                                                                                                                                                                                                                                                                                                                                                                                                                                                  ZIP: 94304
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskett
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SOFTWARE: FastSEQ for Windows Version
CURRENT APPLICATION DATA:
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TELECOMMUNICATION INFORMATION:
TELEPHONE: 415-855-0555
                                               IMMEDIATE SOURCE:
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TELEPHONE: 415-855-0555
TELEFAX: 415-845-4166
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LENGTH: 61 amino acids
TYPE: amino acid
STRANDEDNESS: single
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TITLE OF INVENTION: A NOVEL HUMAN METALLOTHIONINE NUMBER OF SEQUENCES: 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 APPLICANT: Hillman, Jennifer L. APPLICANT: Goli, Surya K.
 MEDILL
LIBRARY: Gen.
TONE: 386962
                                                                                                                                                                                                                                      NAME: Billings, Lucy J.
REGISTRATION NUMBER: 36,749
                                                                                                                                                                                                                                                                                                                                                         APPLICATION NUMBER: US/09/123,850 FILING DATE:
                                                               TOPOLOGY:
                                                                             STRANDEDNESS:
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STATE: CA
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Pred. No. 44;
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Best Local Similarity
Standards 5; Conserva
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US-09-123-850-5
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US-09-123-850-4
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             Sequence 5, Application US/09123850 Patent No. 5955428
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GENERAL INFORMATION:
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NAME: Billings, Lucy J.
REGISTRATION NUMBER: 36,749
REFERENCE/DOCKET NUMBER: PF-0194 US
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     APPLICANT: Hillman, Jennifer L.
APPLICANT: Goli, Surya K.
TITLE OF INVENTION: A NOVEL HUMAN METALLOTHIONINE
NUMBER OF SEQUENCES: 6
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                        TELECOMMUNICATION INFORMATION:
TELEPHONE: 415-855-0555
TELEFAX: 415-845-4166
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        COMPUTER READABLE FORM: MEDIUM TYPE: Diskette
                                                                                                                                                                                                                                                                       IMMEDIATE SOURCE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        PRIOR APPLICATION DATA:
APPLICATION NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            COMPUTER: IBM CONTROL OPERATING SYSTEM: SOFTWARE: FastSE(
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          STREET: 3174 POR CITY: Palo Alto
                                                                                               26 CTSCKKSCCSCCPVGCAKCAQGCVCK 51
                                                                                                                                                                                                                                                                                                  STRANDEDNESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                26 CTSCKKCCCSCCPVGCAKCAQGCVCK 51
                                                                                                                                                                                                                                            LIBRARY: GenBank
CLONE: 386865
                                                                                                                                                                                                                                                                                        TOPOLOGY:
                                                                                                                                                                                                                                                                                                                    TYPE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        CLASSIFICATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                APPLICATION NUMBER: US/09/123,850
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   COUNTRY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ADDRESSEE:
                                                                                                                             , Application US/09123850 5955428
                                                                                                                                                                                                                                                                                                              H: 61 amino acids amino acid
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                                                                                                                                                          Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            SYSTEM: DOS
FastSEQ for Windows Version 2.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       IBM Compatible
                                                                                                                                                                                                                                                                                        linear
                                                                                                                                                                                                                                                                                                    single
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                                                                                                                                                                       88.0%; Score 66; DB 19.2%; Pred. No. 44;
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                                                                                                                                                          21; Mismatches
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                                                                                                                                                                                      DB 2;
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RESULT 12
US-09-123-850-6
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                                                                                                                                                                                                                                        Sequence 6, Application US/09123850 Patent No. 5955428 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                 Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                 Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            INFORMATION FOR SEQ ID NO:
 COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatil
                                                                                                                                                                     APPLICANT: Hillman, Jennifer L. APPLICANT: GOli, Surya K. TITLE OF INVENTION: A NOVEL HUMAN METALLOTHIONINE NUMBER OF SEQUENCES: 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     SEQUENCE CHARACTERISTICS:
LENGTH: 61 amino acids
TYPE: amino acid
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ATTORNEY/AGENT INFORMATION:
NAME: Billings, Lucy J.
REGISTRATION NUMBER: 36,749
REFERENCE/DOCKET NUMBER: PF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 SOFTWARE: FASTSEQ for Windows Version 2.0 CURRENT APPLICATION DATA: APPLICATION NUMBER: US/09/123,850
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MEDIUM TYPE: Diskett
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APPLICANT: Goli, Surya K.
TITLE OF INVENTION: A NOVEL HUMAN METALLOTHIONINE
NUMBER OF SEQUENCES: 6
                                                                                                                                                     CORRESPONDENCE ADDRESS
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                                                                                     STATE:
                                                                                                 STREET: 3174 Por CITY: Palo Alto
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                                                     ZIP: 94304
                                                                                                                       ADDRESSEE: Incyte Pharmaceuticals, Inc
STREET: 3174 Porter Drive
                                                                                                                                                                                                                                                                                                                                                              26 CTSCKKSCCSCCPVGCAKCAQGCVCK 51
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ZIP: 94304
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IBM Compatible
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OPERATING SYSTEM: SOFTWARE: FastSE

FastSEQ for Windows Version 2.0

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/123,850

FILING DATE: CLASSIFICATION:

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US-09-123-850-6
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Best Local (
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IMMEDIATE SOURCE:
LIBRARY: GenBar
                                                                                              APPLICATION NUMBER: US/07/696,051B
FILING DATE: 19910506
CLASSIFICATION: 514
PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 119620/1990
FILING DATE: 09-MAY-1990
                                                                                                                                                                                                                                                                                                                                                                                     CORRESPONDENCE ADDRESS: ADDRESSEE: Jordan B.
                               PRIOR APPLICATION DATA:
                                                               PRIOR APPLICATION DATA: APPLICATION NUMBER:
                                                                                                                                                                                               SOFTWARE: PatentIn Release #1.0, Version #1.25 CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                    COMPUTER READABLE FORM:
                                                                                                                                                                                                                                                                                                                                                                                                                                   TITLE OF INVENTION: GROWTH-INHIBITORY FACTOR AND CDNA CODING TITLE OF INVENTION: FOR GROWTH-INHIBITORY FACTOR
                                                                                                                                                                                                                                                                                                                                                                                                                                                                      APPLICANT: Uchida, Yoko APPLICANT: Ihara, Yasuo
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     APPLICANT: Tsuji, Sh
APPLICANT: Miyatake,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      SEQUENCE CHARACTERISTICS:
LENGTH: 61 amino acids
TYPE: amino acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TELECOMMUNICATION INFORMATION: TELEPHONE: 415-855-0555
                                                                                                                                                                                                                                                                                                                                                                                                                       NUMBER OF SEQUENCES:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ATTORNEY/AGENT INFORMATION:
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                                                                                                                                                                                                                                MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
 FILING
                                                  FILING DATE:
APPLICATION NUMBER: FILING DATE: 13-DE
                                                                                                                                                                                                                                                                                                                     COUNTRY:
                                                                                                                                                                                                                                                                                                                                        STATE:
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les 5; Conserv
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REGISTRATION NUMBER: 36,749
REFERENCE/DOCKET NUMBER: PF-0194 US
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        STRANDEDNESS:
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: New York
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                                                  13-DEC-1990
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ake, Tadashi
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19.2%;
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                                                                 JP 410164/1990
               JP 410165/1990
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Pred. No.
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RESULT 14
US-07-924-063A-1
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Best Local Similarity
Thes 5; Conserve
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                                            APPLICATION NUMBER: PCT/JP91.
FILING DATE: 13-DEC-1991
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 410165/1
FILING DATE: 13-DEC-1990
ATTORNEY/AGENT INFORMATION:
NAME: CHARLES A. MUSERLIAN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TELEFAX: (212)888-6426
TELEX: PATENLAW (via ITT)
INFORMATION FOR SEQ ID NO: 1:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TOPOLOGY: linear
MOLECULE TYPE: per
MOLECULE TYPE: NO
                                                                                                                                                                                                                                                                                                                                                                                                                                                              APPLICANT: TSUJI, SHOJI; MIYATAKE, TADASHI; UCHIDA, YOKO; APPLICANT: IHARA, YASUO
TITLE OF INVENTION: DNA CODING FOR GROWTH-INHIBITORY FACTOR AND TITLE OF INVENTION: USE THEREOF
NUMBER OF SEQUENCES: 8
                                                                                                                                                                   APPLICATION NUMBER: US FILING DATE: 19920828 CLASSIFICATION: 435 PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                       COMPUTER READABLE FORM:
MEDIUM TYPE: FLOPPY DISK
                                                                                                                                                                                                                                       SOFTWARE: WORDPERFECT 5.1
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                              CORRESPONDENCE ADDRESS:
ADDRESSEE: BIERMAN & MUSERLIAN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ORIGINAL SOURCE:
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TELECOMMUNICATION INFORMATION:
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                                                                                                                                                                                                                                                                                                                                                COUNTRY: USA
              REGISTRATION NUMBER: 19,683
REFERENCE/DOCKET NUMBER: TSI
                                                                                                                                                                                                                                                                     COMPUTER: IBM PC COMPATIBLE
OPERATING SYSTEM: PC-DOS/MS-DOS
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OTHER INFORMATION:
OTHER INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                CITY: NEW YORK
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on brain cells"
                                                                                                   410165/1990
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Gaps
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TELEPHONE: 212-661-8000
TELEFAX: 212-661-8002
INFORMATION FOR SEQ ID NO:

1:

68 amino acids

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; NAME/KEY: GIF
; LOCATION:
; IDENTIFICATION METHOD:
; OTHER INFORMATION:
US-07-924-063A-1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      US-08-138-340B-2
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Best Local S
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                                                                                                                           COMPUTER: IBM PC COMPATIBLE
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: WORDPERFECT 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/138,340B
FILING DATE: 18-OCT-1993
CLASSIFICATION: 514
PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP/92/280201
FILING DATE: 19-OCT-1992
PRIOR APPLICATION DATA:
APPLICATION DATA:
APPLICATION DATA:
APPLICATION DATA:
APPLICATION NUMBER: JP/92/346853
FILING DATE: 25-DEC-1992
ATTORNEY-AGENT INFORMATION:
NAME: CHARLES A. MUSERLIAN
REGISTRATION NUMBER: 19,683
REFERENCE/DOCKET NUMBER: TSU25
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      SEQUENCE CHARACTERISTICS:
LENGTH: 68 amino acids
TYPE: AMINO ACID
STRANDEDNESS: Single
TOPOLOGY: Linear
                                                                                                                                                                                                                                                                                                                                       COMPUTER READABLE FORM:
MEDIUM TYPE: FLOPPY DISK
                                                                                                                                                                                                                                                                                                                                                                                                                                                                     NUMBER OF SEQUENCES: 3
CORRESPONDENCE ADDRESS:
ADDRESSEE: BIERMAN & MUSERLIAN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                MOLECULE TYPE: pi
HYPOTHETICAL: NO
ORIGINAL SOURCE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           APPLICANT: UCHIDA, YOKO; IHARA, YASUO TITLE OF INVENTION: GROWTH INHIBITORY FACTOR
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             FEATURE:
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                                                                                                                                                                                                                                                                                                                                                                                                                    STATE:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TISSUE TYPE: brain
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                                                                                                                                                                                                                                                                                                                                                                                                                  NEW YORK
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Search completed: March 1, 2001, 16:19:15 Job time: 508 sec
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Best Local Similarity 19.2%; Pred. No. 49;
Matches 5; Conservative 21; Mismatches
                                                                                                                                                                                                                                                                                                                            TELEPAX: (212) 661-8002
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 68
                                                                                                                                                                                                                                                             MOLECULE TYPE:
                                                                                                                                                                                                                                                                         TYPE: Amino Acid
STRANDEDNESS: Unknown
TOPOLOGY: Linear
                                                                                    27 CTSCKKSCCSCCPAECEKCAKDCVCK 52
                                                                                                                  Peptide
                                                                                                                                                     0; Indels
                                                                                                                                                                                       Length 68;
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